

FACT SHEET

Greenhouse Gas Technology Center
An Environmental Technology Verification (ETV) Organization
Sponsored by the U.S. Environmental Protection Agency's Office of Research and Development



measurement
analysis

performance
verifications



technology
testing

environmental
technologies

What is the ETV Greenhouse Gas Technology Center?

The ETV Greenhouse Gas (GHG) Technology Center, located in Research Triangle Park, NC is a public/private partnership between the U.S. Environmental Protection Agency (EPA) and Southern Research Institute. The GHG Center operates under the U.S. EPA's Environmental Technology Verification (ETV) program, and provides independent performance testing of technologies that produce, mitigate, monitor, or sequester greenhouse gas emissions.

What Does the Center Do?

Since 1997, the GHG Center has located promising GHG mitigation and monitoring technologies, subjected them to independent third-party performance testing, and provided performance results to the public free of charge. To date, the GHG Center has completed or initiated the verifications of 23 different environmental technologies. For technologies that perform well, ETV verification can help increase technology sales and further environmental protection. Technology performance verifications are accomplished using measurement and analytical methods that have been reviewed and approved by independent expert stakeholder panels.

The GHG Center strives to help technology purchasers make wise purchase decisions, vendors obtain independent confirmation of their technology's performance, and superior environmental technologies penetrate the market place.

Technologies Verified or in Progress

Electricity and Heat Production

Capstone 30 kW Microturbine CHP Biogas
Capstone 60 kW Microturbine CHP
Mariah Heat PlusPower™ Microturbine CHP
Ingersoll Rand PowerWorks™ Microturbine CHP
Martin-Machinery Engine CHP
ONSI Phosphoric Acid Fuel Cell
Honeywell Parallon® Microturbine
Honeywell Parallon® CO Control Device
PlugPower Residential-scale PEM Fuel Cell
UTC PC25™ Phosphoric Acid Fuel Cell



Other Energy and Transportation

Enviro Diesel Fuel Cleaning System
GECOTM 3001 Engine Air/Fuel Ratio Controller
FEHP SAE 75W90 Lubricant for Trucks & SUVs
UTC Biogas Fuel Cleaning System
Microorganics Waste to Biogas Accelerant
Parametric Engine Emissions Monitoring System
KMC SLE-1001 Refrigerant Sight Glass Monitor

Oil and Gas Industry

Compressor Emissions Packing System
Compressor Seal Assist System (SAS)
Compressor Static-Pac™ Seal
EVRUTM Storage Tank Vapor Recovery System
Pin-Tech™ Bubble Tight Tank Relief Vent
Quantum Leap Natural Gas Dehydrator



How Can I Learn More?

You can learn more about the GHG Center and download Verification Test Plans, Statements, Reports, announcements, articles, and other publications from our website (www.sri-rtp.com) and from the ETV Web site (www.epa.gov/etv). You may also request additional information on verification testing and/or submit an Application for Testing of your technology.



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